



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D2535
Job Sheet 187816



Part No: D2535

Job Qty: 50 pcs

Part Name: Spring



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/17/18

Job Tracking No:

Due Date: 1/15/19

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV A IPP A 99.04.19 New Issue (From hand written IPP) DM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	50 pcs	1/15/19	1/15/19	0.00	0.00	Purchasing - 1	JAN 23 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	50 pcs	1/15/19	1/15/19	0.00	0.00	Packaging 2 - 1 - B4B	JAN 23 2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S147273



Part: D2535

Job No: 187816

Serial No/Batch: S147273

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 01/23/19

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	DAS
120	QC 6	50 pcs	1/15/19	0.00 0.00	QC 6 - 38	38
					QC 6 - 42	9-89
					QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
130	Packaging 3-1 - Stock - B4B	50 pcs	1/15/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	FP-001 ML 19-1-24
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
140	QC 21 - SA	50 pcs	1/15/19	0.00 0.00	QC 21 - SA - 21	DAS 21 JAN 24 2019
Part Op 100 - (Purchasing) Issue P/O 042080 Possible Supplier: Victoria Spring, 0.070 SS Torsion Spring Descriptions: 110 - (Receive & Inspect for Damage & Mat'l Certs) Ensure Material Release Note is attached 120 - (QC6- All purchased or subcontracted products) Check dims to dwg 130 - (Identify as per dwg & Stock Location: _____) 140 - (QC21- Final Inspection - Work Order Release)						

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2535P	Spring	50 pcs (1 ea)	100-Purchasing	S/147272

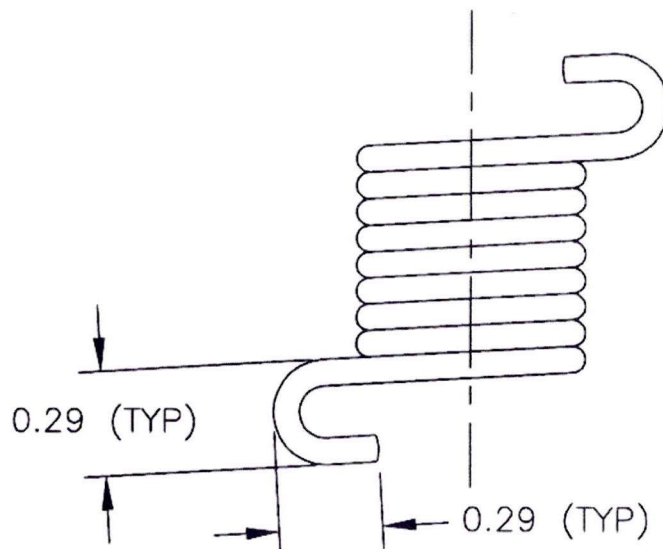
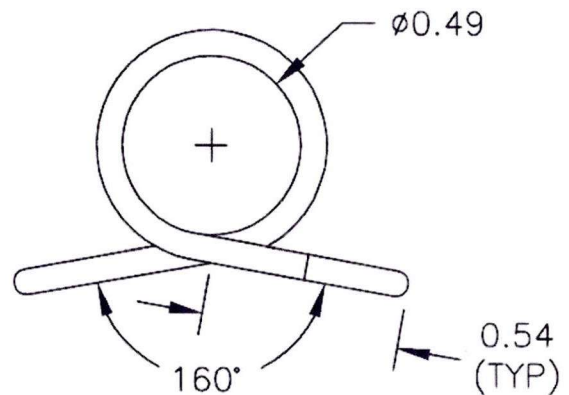
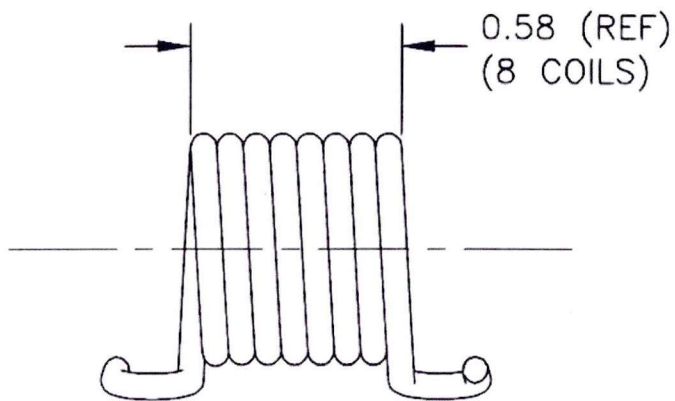
CT X50

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D2535P	50	0	0
Part Specifications				
Specifications could not be found.				

Plex 12/17/18 11:44 AM dart.lavoie.chantal

DART

DESIGN BW	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED KE	APPROVED [Signature]	DRAWING NO. D2535	REV. A SHEET 1 OF 1
DATE 99.04.08	TITLE SPRING SPEC CONTROL		SCALE 2:1
A	99.04.08	NEW ISSUE	

RELEASED
99.05.11 KE**SPECIFICATION CONTROL DRAWING**

TENSION SPRING WITH 8 COILS (NO GAP BETWEEN COILS)

MATERIAL: AISI STAINLESS STEEL $\phi 0.070$

POSSIBLE SUPPLIERS: VICTORIA SPRINGS, P/N .070SS TENSION SPRING

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042080**

Supplier: VIC002-VC
Victory Spring Ltd.
3810 - 51 Ave.
Edmonton
AB
T6B 3T5 Canada
Phone: 780 442 4020
Fax: 780 466 8000

PO No: PO042080
PO Date: 12/17/18
Due Date: 1/16/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

E-MAILED
DEC 18 2018

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	187816	D2535P		Spring As per Dwg D2535 Rev. A	Firmed	-	1/16/19	50 pcs	0 pcs	50 pcs	\$4.74/pcs	\$237.00
2	187817	D3260-1P		Spring : Various STC's	Firmed	-	1/16/19	20 pcs	0 pcs	20 pcs	\$7.38/pcs	\$147.60
Grand Total:												\$384.60

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Plex 12/17/18 2:35 PM dart.tsimiklis.chrisoula



convenient. consistent. correct.

3810 - 51 Ave
Edmonton, AB T6B 3T5
t + 780 442 4020
e + accounts@victoryspring.ca

PACKING SLIP

Packing Slip: 42936
Date: Jan 18, 2019
Order Ref: PO042080 ✓

Sold to:

Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7

Ship to:

Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7

Shipped By: FedEx

Shipped Quantity	Backorder Quantity	Unit	Item No.	Description	Price
50	✓	Each	VIC 1533	D2535P ✓ Spring - Torsion	4.74
20	✓	EACH	-	D3260-1P Spring ✓	7.38

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Comment:

CERTIFICATE OF CONFORMANCE

REPORT FOR : Dart Aerospace Ltd.	DATE: 1/18/2019
PART/DRAWING #: D2535P / VIC 1533 ✓	PO # PO042080 ✓
DESCR: Torsion Spring	QUANTITY: 50 ✓

CHARACTERISTIC	SPECIFIED	MEASURED	NOTES
Material type	SS302	yes	
Material diameter	0.07	0.072	
Coil I.D.	0.490	.489"	
Coil O.D.		.634"	
Number of Coils	8 ref	7.9	
Overall Length		1.109	
End Type	per dwg	yes	
Helix	RHW	RHW	

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COMMENTS

Mill Certificate attached: Yes
Material Heat Number: KNAX00924

Inspected by: *Jeremy Burrowes*

MATERIAL CERTIFICATION

REPORT FOR: Dart Aerospace Ltd.	DATE: 31/18/2019																																																							
PART/DRAWING #: VIC 1533 / D2535P ✓	PO # PO042080 ✓																																																							
SPRING DESCRIPTION: Torsion Spring	QUANTITY: 50 ✓																																																							
MATERIAL GRADE: T302 Stainless Steel Wire Spring ASTM-313-03																																																								
PROPERTIES: <table> <thead> <tr> <th colspan="3"><u>Chemical</u></th> <th colspan="2"><u>Physical</u></th> </tr> </thead> <tbody> <tr> <td>Carbon:</td> <td>(C)</td> <td>0.065</td> <td>Size:</td> <td>0.072"</td> </tr> <tr> <td>Chromium:</td> <td>(Cr)</td> <td>18.050</td> <td></td> <td></td> </tr> <tr> <td>Copper:</td> <td>(Cu)</td> <td>0.420</td> <td>Tensile PSI:</td> <td>268,300 / 275,000</td> </tr> <tr> <td>Manganese:</td> <td>(Mn)</td> <td>1.190</td> <td></td> <td></td> </tr> <tr> <td>Molybdenum:</td> <td>(Mo)</td> <td>0.330</td> <td></td> <td></td> </tr> <tr> <td>Nickel:</td> <td>(Ni)</td> <td>8.020</td> <td></td> <td></td> </tr> <tr> <td>Phosphorus:</td> <td>(P)</td> <td>0.029</td> <td>Heat #</td> <td>KNAX00924</td> </tr> <tr> <td>Silicon:</td> <td>(Si)</td> <td>0.320</td> <td></td> <td></td> </tr> <tr> <td>Sulphur:</td> <td>(S)</td> <td>0.001</td> <td></td> <td></td> </tr> <tr> <td colspan="3"></td> <td>Mill Source:</td> <td>Gibbs Wire</td> </tr> </tbody> </table>		<u>Chemical</u>			<u>Physical</u>		Carbon:	(C)	0.065	Size:	0.072"	Chromium:	(Cr)	18.050			Copper:	(Cu)	0.420	Tensile PSI:	268,300 / 275,000	Manganese:	(Mn)	1.190			Molybdenum:	(Mo)	0.330			Nickel:	(Ni)	8.020			Phosphorus:	(P)	0.029	Heat #	KNAX00924	Silicon:	(Si)	0.320			Sulphur:	(S)	0.001						Mill Source:	Gibbs Wire
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Certified by: Jeremy Burrowes - QA

Victory Spring Ltd. certifies this to be a true & accurate copy of the original contained in the company records.